PATENT



In re	Application of:)	
Tal	keshi SAKAMOTO et al.	.)	Confirmation No.: 1891
Applie	cation No.: 10/594,949)	Group Art Unit: 2828
Filed:	September 29, 2006)	Examiner: To Be Assigned
For:	LASER PROCESSING METHOD AND SEMICONDUCTOR CHIP)	
Comn	nissioner for Patents		
U.S. F	Patent and Trademark Office		
Custo	mer Window		
Alexa	ndria, VA 22314		

Sir:

SUBMISSION OF INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

Applicants bring to the attention of the Examiner the attached document.

Attached is an English-language translation of an International Preliminary Examination Report ("IPER"), including PCT/IB/373 and English translation of PCT/ISA/237, dated October 26, 2006 that issued in a related PCT/JP2005/005552 application. Applicants respectfully request that the Examiner consider the IPER as it relates to the above-identified application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed document is material or constitute "prior art." If it should be determined that the listed document does not constitute "prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such document.

ATTORNEY DOCKET NO.: 46884-5520

Application No.: 10/594,949

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Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

EXCEPT for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0573. This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: January 23, 2007

By:

John G. Smith

Registration No. 33,818

Customer No. 055694

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From the INTERNATIONAL BUREAU

NOTIFICATION OF TRANSMITTAL OF COPIES OF TRANSLATION OF THE INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (CHAPTER I OR CHAPTER II OF THE PATENT COOPERATION TREATY)

(PCT Rules 44bis.3(c) and 72.2)

To:

HASEGAWA, Yoshiki SOEI PATENT AND LAW FIRM Ginza First Bldg. 10-6, Ginza 1-chome Chuo-ku, Tokyo 104-0061 **JAPON**

Date of mailing (day/month/year) 26 October 2006 (26.10.2006) Applicant's or agent's file reference **IMPORTANT NOTIFICATION** FP05-0013-00 International filing date (day/month/year) International application No. 25 March 2005 (25.03.2005) PCT/JP2005/005552

Applicant

HAMAMATSU PHOTONICS K.K. et al

1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on 1 patentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

> The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference FP05-0013-00	FOR FURTHER ACTION	See item 4 below		
International application No. PCT/JP2005/005552	International filing date (day/month/year) 25 March 2005 (25.03.2005)	Priority date (day/month/year) 30 March 2004 (30.03.2004)		
International Patent Classification (8t See relevant information in Form I	h edition unless older edition indicated) PCT/ISA/237			
Applicant HAMAMATSU PHOTONICS K.K.			•	

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).							
2.	This REPORT consists of a total	al of 4 sheets, including th	his cover sheet.					
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.							
3.	This report contains indications	relating to the following	items:					
	Box No. I	Basis of the report						
-	Box No. II	Priority						
	Box No. III	Non-establishment of applicability	f opinion with regard to novelty, inventive step and industrial					
	Box No. IV	Lack of unity of inve	ention					
	Box No. V		under Article 35(2) with regard to novelty, inventive step or industrial as and explanations supporting such statement					
	Box No. VI	Certain documents ci	iteđ .					
	Box No. VII	Certain defects in the	e international application					
	Box No. VIII	Certain observations	on the international application					
4.	The International Bureau will conot, except where the applicant date (Rule 44bis .2).	ommunicate this report to makes an express reques	designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but tunder Article 23(2), before the expiration of 30 months from the priority					
	·	•	Date of issuance of this report 19 October 2006 (19.10.2006)					
	The International Bur 34, chemin des Co		Authorized officer					
	1211 Geneva 20, S		Masashi Honda					
Facsin	nile No. +41 22 338 82 70		e-mail: pt08@wipo.int					

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

From the INTERNATION	ONAL SEARCHII	NG AUTHOF	RITY		ANC	
То:					PCT PTTON	
					RITTEN OPINION OF THE FIONAL SEARCHING AUTHORITY	
					(PCT Rule 43bis.1)	
				Date of mailing (day/month/year)		
Applicant's or	r agent's file referen	ice	****	FOR FURTHER	ACTION	
FP05-0	0013-00				See paragraph 2 below	
I	application No.		International filing date ((day/month/year)	Priority date (day/month/year)	
PCT/JI	2005/005	552	25.03.2005	30.03.2004		
1. This	Box No. II Box No. III Box No. IV	Basis of the Priority Non-establis			tive step and industrial applicability	
	Box No. V	Reasoned sta applicability	atement under Rule 43bis. y; citations and explanation	is. 1(a)(i) with regard to novelty, inventive step or industrial ions supporting such statement		
	Box No. VI Box No. VII	Certain docu	uments cited ects in the international app			
	Box No. VIII	Certain obse	ervations on the internation	nal application		
If a Inter than	rnational Preliminar this one to be the l	ry Examining A IPEA and the	Authority ("IPEA") except	t that this does not app the International Bur	Il be considered to be a written opinion of the ply where the applicant chooses an Authority other eau under Rule 66.1 bis(b) that written opinions of	
PCT	If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.					
	further details, see n			•		
Name and mai	iling address of the	ISA/JP		Authorized officer		
Facsimile No.				Telephone No	•	

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/005552

Box	No. I	Basis of this opinion
1.	Witl filed	n regard to the language, this opinion has been established on the basis of the international application in the language in which it was l. unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language
		, which is the language of a translation furnished for the purposes of international search (under
		Rule 12.3 and 23.1(b)).
2.	Witl	n regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed nation, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
,	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Add	itional comments:
		•
<u> </u>		•

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/005552

citations and explanations supporting such statement		INTERNATION	AL SEARC	CHING AUT	HORITY		PCT/	JP2005/005	552
Novelty (N) Claims 1-21 YES Claims NO Claims Claims Claims Claims Claims Claims Claims 1-21 YES NO Claims NO Claims Claims Claims NO Claims Claims Claims NO Claims Claims Claims NO NO Claims NO Claims NO NO Claims NO NO Claims NO NO Claims NO NO Claims NO NO NO Claims NO NO Claims NO NO Claims N	Box No. V					rd to novelty, ir	nventive step or in	dustrial applicability;	
Claims YES Claims 1-21 NO Industrial applicability (IA) Claims 1-21 YES Claims NO Claims 1-21 YES Claims NO Claims 1-21 YES Claims NO	1. Statement			T. T			····		
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Claims 1-21 YES NO Citations and explanations: Document 1: WO 2002/022301 A1 (Hamamatsu Photonics K.K.), 21 March 2002, page 99, line 6 to page 106, line 1; Figs. 89-99 & US 2004/2199 A1 & EP 1338371 A1 The invention described in document 1, wherein among a plurality of modified areas, modified areas nearest the surface are prevented from forming on a position 5-15 μm or [(thickness of substrate) x 0.1] μm – [20 + (thickness of substrate) x 0.1] μm from the surface, is not found to be an exceptional matter.	Inveni	ive step (IS)		3 01					_ YES
Clatins No Citations and explanations: Document 1: WO 2002/022301 A1 (Hamamatsu Photonics K.K.), 21 March 2002, page 99, line 6 to page 106, line 1; Figs. 89-99 & US 2004/2199 A1 & EP 1338371 A1 The invention described in document 1, wherein among a plurality of modified areas, modified areas nearest the surface are prevented from forming on a position 5-15 μm or [(thickness of substrate) x 0.1] μm – [20 + (thickness of substrate) x 0.1] μm from the surface, is not found to be an exceptional matter.			Claims	1-21					_ №
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